

August Meetings

Dates & Times:

Matinee, 2:30 p.m., Wednesday,
August 13, 1980

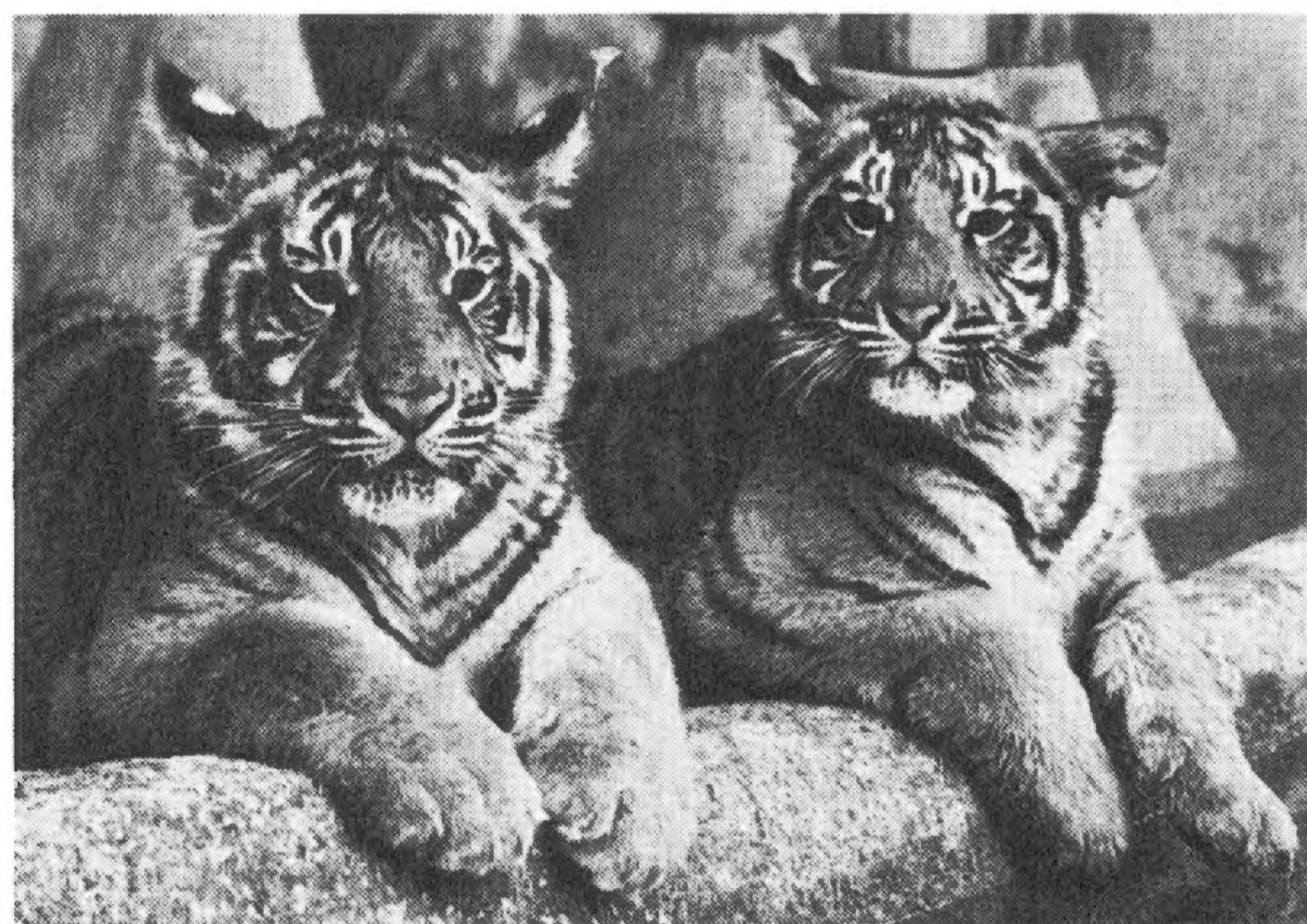
Evenings, 8:00 p.m., Wednesday and
Thursday, August 13 and 14, 1980

Place:

May Treat Morrison Auditorium

Subject:

"Tiger, Tiger"



This month you will meet a fabled beast of India in a magnificent film by Survival Anglia Ltd. entitled **Tiger, Tiger**. The director and photographer of the film, the highly respected Dieter Plage, has captured some rare and exciting footage of his subjects including a night hunting sequence and an unexpected face to face encounter between tiger and cameraman.

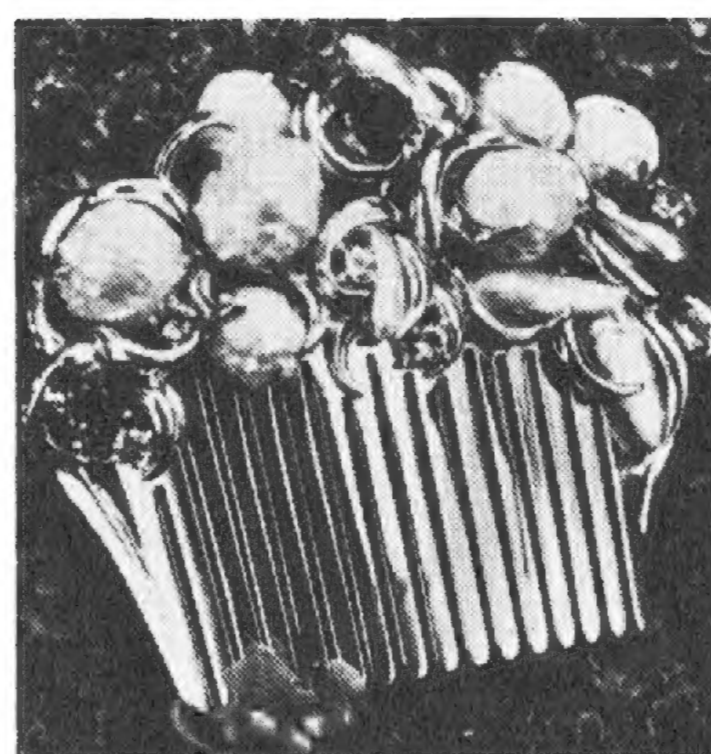
Tiger, Tiger was filmed at Tiger Tops Jungle Lodge in Nepal and at Tiger Haven in Dudhwa National park in northern India which is a leopard and tiger preserve. The film will be introduced by Nigel Dabby, British naturalist and trekking guide, who has lived in India for 6 years.

As usual your membership card admits you through either Cowell Hall or Wattis Hall entrances. Since summer hours are in effect, please be prepared to show your membership card at the auditorium door.

SPECIAL NOTE

The California Academy of Sciences will remain open seven days a week from 10 until 9 p.m. through Labor Day.

Special Exhibits



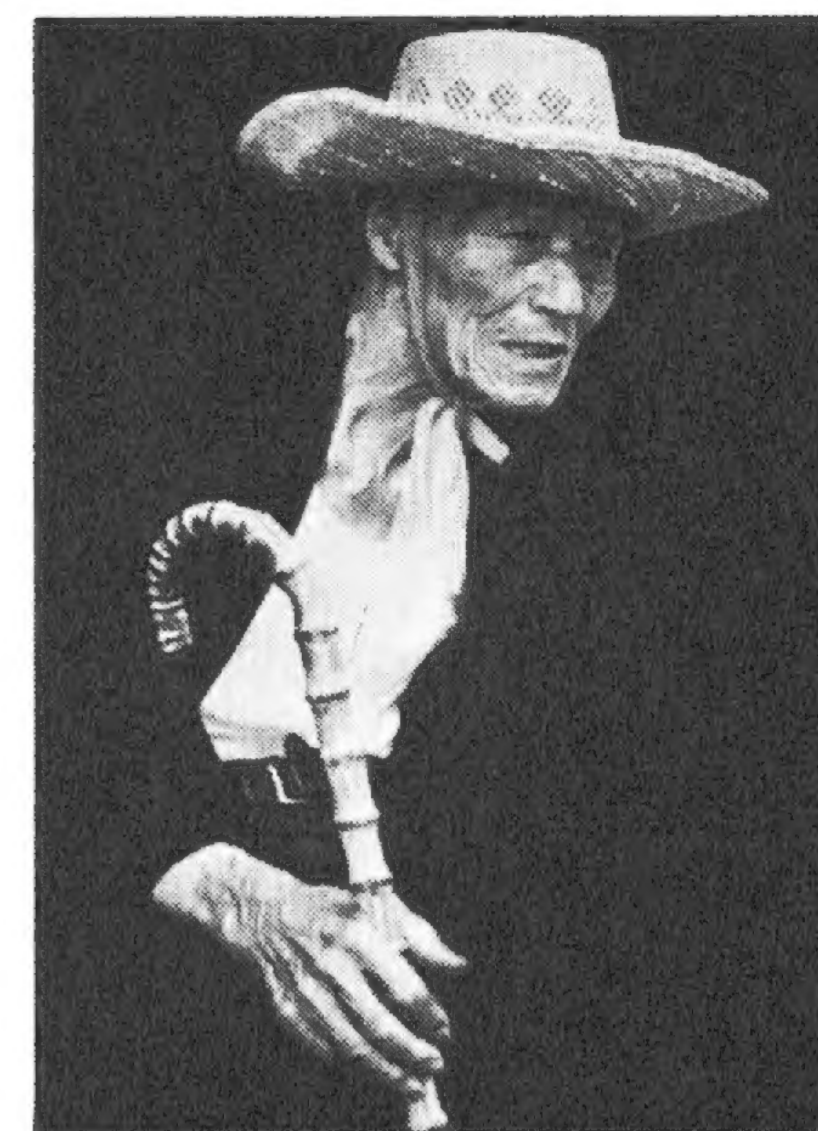
The dazzling array of the **American Gemstone Jewelry Collection** opens August 10 in the Academy's Gem Room. Over one million dollars in gems and gold will be on display

through October 10, 1980 courtesy of the American Gem Society. The collection is meant to help increase Americans' understanding and appreciation of native gemstones and toward this end has been on a nationwide tour of major cities in the U.S. before going to its permanent home at the Smithsonian Institution in Washington, D.C.

31 pieces of jewelry have been designed by Coty Award winner, Aldo Cipullo, using 18 karat gold and a wide variety of native American gemstones including pearls from oyster beds in Indiana, rubies and sapphires mined in Montana, and the most flawless and valuable diamond ever unearthed in the U.S. from Arkansas.

The Academy's mineralogy staff has, when possible, displayed an uncut natural specimen next to the cut and polished gemstones which are set in beautiful and sometimes fanciful designs.

Afghanistan, a new exhibit of color photographs by well known photographer and Academy scientist Dr. Edward S. Ross opens August 1 in Cowell Hall. Landlocked Afghanistan is bounded on the west by Iran, to the south and east by Pakistan and China, and to the north by Russia. Dr. Ross' scenic photographs reflect the diversity of terrain of this beautiful country — the romantic Khyber Pass, the deserts and green valleys, and his portraits of the people reveal the genetic imprint of all the races that have invaded, and colonized the country. Through February 15, 1981.



A new exhibit of color photographs entitled **Images of Japan** by the Los Medanos Camera Club is on view in Lower Cowell Hall through January 15, 1981. The photographs show the many faces of Japan — her people, flowers, shrines,

bridges and cities and contrast the traditional with the modern. **Images of Japan** was organized specifically for presentation at the Academy from photographs taken by members of the Los Medanos Camera Club who toured Japan in 1978. Some of our members may recall another exhibit held at the Academy in the fall of 1978 entitled "Yosemite, the High Sierra", also organized by the Los Medanos Camera Club.

Experience the Hopi way of life at **HOPi KACHINA: Spirit of Life**, the Academy's own nationally touring exhibit. Photo murals, kachina dolls, audio-visual presentations and scale models of Hopi villages all combine to transport you to the wind-swept mesas of northeastern Arizona, home of America's oldest, continuously surviving culture. The exhibit continues through September 1 in Lovell White Hall. A beautifully illustrated catalogue is on sale for \$12, and a specially commissioned poster by Hopi artist Dan Namingha is available for \$10 at either the sales desk at the end of the exhibit, or at the Nature Company in Cowell Hall. Continuing through August half-hour guided tours of **HOPi KACHINA: Spirit of Life** will be given at 11:00 a.m., 1:00 and 2:00 p.m. every day of the week EXCEPT Monday. Meet in Hohfeld Gallery I, just outside the Morrison Auditorium.

Come to **The Universe Unveiled** and take your senses and imagination on a cosmic tour of the wonders of our universe — giant planets full of gas; brilliant quasars bursting with inexplicable energy, and explosive supernova stars that can outshine an entire galaxy. Showtimes are at 12:30, 2:00 and 3:30 p.m. every day of the week. Extra shows are on Wednesday, Thursday and Friday at 11:00 a.m., and Wednesday and Thursday evenings at 7:30 p.m. **The Universe Unveiled** will continue through Labor Day.

Morrison Planetarium also presents **Exploring the Skies of the Season**, a look at the current night sky over San Francisco, shown each Saturday and Sunday at 11 a.m.

Note: Please use your membership planetarium passes for free admission.

Let yourself be transported to another realm of sight and sound in the Morrison Planetarium when the dome of stars is transformed into a dazzling umbrella of color, light and music at **Lights Fantastic**, the all new laser energy concert. Performances are on Sunday, Monday and Tuesday at 5:00, 7:30 and 9:00 p.m., and on Friday and Saturday at 5:00, 7:30, 9:00 and 10:30 p.m.

Admission is \$3.50 for adults for all performances; \$1.50 (Sunday through Tuesday) and \$1.75 (Friday and Saturday) for senior citizens and children under 10. Tickets for all performances are available through BASS outlets and remaining tickets go on sale at the planetarium box-office one-half hour before showtime.

Members see valuable discount coupon to the new *Lights Fantastic*! You will need the coupon in this *Newsletter* to be admitted at the low price of either \$1.50 or \$1.75, depending on the showtime you select.

This month we would like you to welcome two of the newest members of the Academy's family, Stephen and Paula Benedict, creators of **Lights Fantastic**, the exciting, new light energy concert by Eye See The Light, Inc.

Steve, who has been fascinated with electronics since early childhood and who is president and founder of his Lansing,



Michigan company began research and development for his first "Eye See The Light Show" in 1968 after a major resurgence of light shows had occurred on the west coast and in New York. At that time, these light shows were used mainly as backdrops for bands and rock groups. With friends working for free, and with borrowed and rented equipment Steve produced his first "Eye See The Light" show in June of that year. From there the show was booked with talent agencies and was used by many bands including Linda Rondstadt and the Stone Ponies. The first planetarium show, which used both live musicians and a light show, was produced for the Abrams Planetarium at Michigan State University in 1970.

Steve and Paula met at the Abrams Planetarium, when Paula was working part-time while studying for her masters in speech therapy. She taught speech until 3 years ago when she joined the light show.

Lights Fantastic requires three people to perform. First is the laserist, Steve, who works and maintains the laser. As each show is performed live, it is never the same twice — the visuals that go with the music are created at that time by Steve. Second, is the incandescent operator, Paula, who works two control consoles and produces all the other special effects such as kaleidoscopes, lumias, film, liquid light and multi-colored strobes. These consoles resemble a piano or a typewriter with each button representing a light. Finally, there is the console operator, a staff member of the Morrison Planetarium, who works the planetarium special effects. As the show

evolves the music will change. The eclectic program of music, at present, includes:

"Fire on High" — Electric Light Orchestra
 "Sister Moonshine" — Supertramp
 "Oxygene (IV)" — Jean Michel Jarre
 "Sentimental" — Rampel-Bolling
 "Boure" — Jethro Tull
 "Round" — Dr. Donald McDonald
 "The Day Begins" — Moody Blues
 Train & Thunderstorm
 "Good Day Sunshine" — Beatles
 "Lights" — Journey
 "Flight of the Bumblebee" —
 Rimsky-Korsakov
 "Waiting" — Santana
 "Duelling Banjos" — from "Deliverance"
 "Serenade" — Steve Miller Band
 "One of These Days" — Pink Floyd
 "Farandole" — Bob James
 "Hall of the Mountain" — Greig/SRC
 "Can-Can" — Offenbach
 "William Tell Overture" — Rossini

We are happy to announce that "Eye See The Light, Inc" is offering a discount coupon to **Lights Fantastic** to all Academy members. This coupon may be used for two people for any performance through September 30, at the low price of \$1.50 (\$1.75 on Friday and Saturday). To avoid disappointment if the show should be sold out reservations should be made by calling the planetarium office at 221-5100 ext. 269, at least one day in advance of the performance you would like to see. Bring the coupon below to the cashier's desk in Cowell Hall about one-half hour before showtime and you will be charged the special members' discounted rate.

"LIGHTS FANTASTIC"
DISCOUNT COUPON

GOOD FOR ANY PERFORMANCE
 THROUGH SEPTEMBER, 1980

Admits two Academy Members at
 discounted ticket price of
 \$1.50, or \$1.75 each for Friday
 and Saturday Performances

Bring this coupon with you and redeem
 it at the cashier's desk in Cowell Hall
 one-half hour before showtime.

In Celebration of Scotland

Saturday, August 9

2-3 p.m.

(The Whale Fountain courtyard)

As a special preview of the Scottish Games to occur at the Sonoma County Fairgrounds, on August 30 and 31, a series of demonstrations in Scottish dancing, pipes and athletics will take place at the California Academy of Sciences. Events will include Scottish country dancing, Highland dancing, harping and a performance by the Prince Charles Pipe Band.

Raven and the Spirit

Saturday and Sunday, August 23 and 24

1:00 p.m.

(Wattis Hall of Man)

Raven and the Spirit, a dance/play has been adapted and edited from a children's story from Ronald Melzack's "Raven, the Creator of the World". The play draws on Alaskan mythology and is enhanced by Eskimo music, dance and costume. The director and choreographer is Patricia Bulitt who previously performed Eskimo dances at the Academy in June of this year. The costume design is by Mary Gould and the performers are Janet Jaffee and Patricia Bulitt.

Voyage Around the Universe

August 14 to 28 (3 Thursdays)

7-9:00 p.m.

Instructor: Dr. Lee Simon

\$15 members, \$20 families

A three evening trip around the universe is offered this month in the classroom and in the Morrison Planetarium. Journey through our solar system to the planets — visit a black hole — then venture to the very edge of the universe.

Registration is by mail or phone through the Education/Travel Office at 221-5100, ext. 211.

The Natural Treasures of Japan

September 21-October 7

Leader: Gladys Smith, Botanist

The people of Japan have established a system of national "natural treasures" to

preserve the natural features of their country. Members will visit several of these natural and cultural treasures including, on the island of Honshu, the sights of Tokyo, Nikko with its spectacular mountain scenery, and the classical Shinto and Buddhist shrines of Nara and Kyoto. On the island of Hokkaido highlights will include visits to several national parks, hot springs and botanical gardens. Cost is \$1840 for land arrangements and \$1009 air fare at current G.I.T. rates. For information, call Bryan International Travel at (415) 986-0967.

Sea of Cortez

October 25-November 1

Leaders: Dr. and Mrs. Robert T. Orr

Members will board the **Baja Explorador** for a memorable cruise through some of the islands of the Sea of Cortez. Espiritu Santo with its beautiful beaches, Isla San Jose and the ruins of Mission Dolores, and Isla Santa Catalina are but a few of the areas members will visit. The variety of wildlife and the beauties of the desert environment offer a fulfilling experience in the Sea of Cortez. Cost is \$700 per person, including air fare from Los Angeles. For information, call the Academy Travel Office at (415) 221-5100.

Death Valley National Monument

October 31-November 2

Leader: Charles Chesterman, Honorary Curator of Mineralogy

Death Valley, an area of great geologic diversity, will be the focus of this three-day tour. Members will view the Desert Museum, view the southern and central portions of the Valley, see the open pit colemanite mine (source of borax) and also visit Scotty's Castle, Ubehebe Crater, and the Devil's Cornfield. Cost is \$405 including air fare. For information, call Gullivers Travels at (415) 346-4400.

Red Sea Passage

January 29-February 10

This unusual and special itinerary begins with a flight to Egypt. There members will board the **Cavo d'Oro** for a seven-day cruise in the Red Sea. The yacht will call at Safaga for a two-day overland visit to Luxor, at Aqaba for a day excursion to

Petra, and at El Tur for an air excursion to the Monastery of St. Catherine on Mount Sinai. Following the cruise members will spend four days in Cairo visiting the antiquities of that region. The Philadelphia Museum of Art is co-sponsoring this trip with the Academy. Cost is approximately \$3500 from San Francisco. For information, contact the Academy Travel Office at (415) 221-5100.

Baja California Gray Whale Expedition

February 6-14

Leaders: Walt Anderson, Naturalist and George Hale, Biologist

Academy members will board the **Qualifier 105** for a nine-day cruise along the west coast of Baja California to follow the migration of the giant California gray whales. Passengers will visit the San Benitos Islands, San Ignacio Lagoon, Cedros Island and San Martin Island. There will be numerous opportunities to observe the abundant wildlife of this beautiful area. Cost is \$800 from San Diego. For information, call Nature Expeditions International at (415) 328-6572.

Mayan Jungle Passage

February 21-March 7

Leader: Dr. Dennis Breedlove, Botanist

The Mayans of Guatemala created one of the most fascinating civilizations the world has ever known. Members will travel by plane, bus and motorized dugout canoe through the jungles of Guatemala as they explore some of the finely sculptured palaces and temples of this ancient civilization. There will be numerous opportunities to learn about the abundant plant and animal life of the jungle as we visit the sites of Tikal, Dos Pilas, Duende, Arroyo de Piedras, Yaxchilan, Palenque and more. Our tour is completed with a visit to the Anthropological Museum in Mexico City. Cost is \$1575 land arrangements, \$650 air fare at current G.I.T. rates. For information, call the Academy Travel Office at (415) 221-5100.

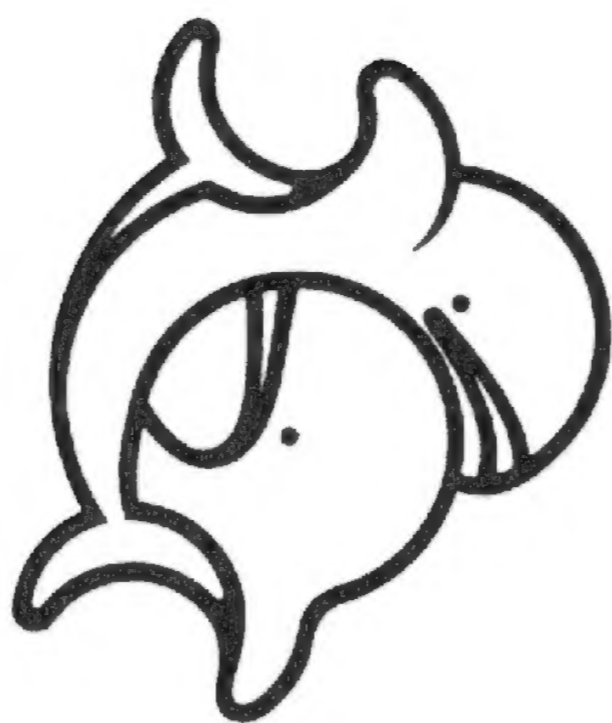
New Members of the Academy

Regular Members

Mr. James Alpert
B. L. Anderson
Mr. Chuck Anderson
Mr. Alec Balmy
Miss Lunda Barry
Miss J. Bartky
Miss Kathy Beallo
Mr. George R. Becker
Mr. Joseph G. Beckford
Miss Lynn Kay Benton
Dr. Barbara M. Bernhart
Mr. John Thomas Berry
Mr. Thelma G. Blaisdell
Miss Virginia Blanchard
Miss Jean Blood
Mr. Everett L. Bowden
Miss Margaret Brickner
Miss Nora Burke
Ms. Ruth Burke
Mr. Raymond Bustillos
Miss Lani Caprio
Dr. & Mrs. Lewis Chasin
Mr. Bryan G. Chin
Miss Patricia Chisholm
Miss Linda M. Coates
Aashild Conway
Mr. & Mrs. Ron Cowan
Mr. Dennis Crandall
Mr. Lloyd R. Crenna
Mr. & Mrs. D. M. Creveling, Jr.
Mr. Orion J. Culver
Mr. Joseph A. Cutler
Mr. & Mrs. Elmer H. Dahlberg
Miss Jeanne D'Arcy
Mr. K. & Mrs. M. Delahunt
Mr. Richard W. DeNoyer
Mr. James D. Derich
Mr. James R. Douglas
Mrs. Judy T. Douglas
Mr. & Mrs. Richard W. Drake
Mr. & Mrs. John A. Dreyer
Mr. & Mrs. Kenneth Dreyfuss
Mr. J. A. Du Lac
Mr. James Duncan
Mr. Robert W. Dunkel
Mr. & Mrs. Marvin Edelstein
Mr. William T. Fawcett
Dr. John R. Featherstone
Miss Jennifer Feeley
Mrs. Eileen Feess
Ms. Barbara Ferguson
Mr. & Mrs. Charles K. Fisher
Ms. Jean A. Frost
Mr. James J. Gallagher
Mr. H. H. Gee
Mr. & Mrs. Charles Gill
Mr. Douglas A. Glasgow
Mr. Steven M. Gold
Ms. Geri Gottbrath
Miss Patricia A. Griffin
Zenia Gutowski & Mae Swanbeck
Mr. & Mrs. Don Hansen
Ib Hansen
Mrs. Carol L. Harrison
Mr. Robert Anton Helderer
Mr. & Mrs. Robert Helseth
Mr. S. Milton Henderson
Mr. & Mrs. R. B. Hofer
Miss Zenita B. Howell
Ms. Marilyn A. Hill
Miss Patricia Jane Hughes
Mr. Niblado C. Inestrosa
Mr. & Mrs. Robert Jachens
Mr. Art Jackson
Mr. & Mrs. Ralph Jacobson
Ms. Elayne Janiak
Mrs. Grace E. Jarvis
Mr. Albert Jenkin
Miss Brenda Jobe
Mr. Robert Jordan
Mrs. Vickie Jourdonnais
Mr. Chris Kasso
Mr. & Mrs. Herman Katz
Miss Dorothy Kelly
Mr. Joe Killian
Mrs. William W. Kingsbury
Ms. Katherine Kiss
Dr. Shu Kobayashi
Mrs. W. R. Koerting
Mr. & Mrs. Lloyd W. Kohler
Mr. Martin S. Kohn
Mr. Philip Koursh
Miss Elizabeth Krainer
Mrs. Pamela J. Kristof
Mr. & Mrs. Aki Kuwada
Mr. Allan Lavetter

Mrs. Hermine Lawrence
Mr. Michael J. Learned
Mr. & Mrs. Hwalin Lee
Mr. Roger Lee
Mr. Joseph H. Lindholm III
Mrs. Jack L. Littlepage
Mr. & Mrs. Philip L. Livingston
Mr. & Mrs. Chester Leonhardt
Mr. Ronald M. Lockyer
Mrs. Lorraine Lordon
Miss Diane S. Chin Lui
Mr. & Mrs. R. Lynn
Ms. Susan W. Lyon
Miss Vittoria Maggiora
Ms. Stefani Maida
Mrs. Rita Mandelman-Benton
Miss Jocelyne Marechal
Mrs. Regina L. Matthews
Mrs. Marjorie P. Meadows
Mr. Donald R. Melquist
Mrs. Florence Melrose
Mr. Les Miller
Mr. David Mambu
Mr. David J. Mount
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Col. Paul McConnell
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Miss Rita McManamor
Mr. Alan Nadritch
Mr. Benjamin H. Neff
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Mrs. B. J. O'Connell
Ms. Martha O'Neal
Miss Sue A. Orinski
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Mr. & Mrs. Alexis Parlova
Mrs. Mary E. Peirce
Drs. Herb & Janet Peterson
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Mr. Dan Ponthieux
Miss Francine Popkin
Mr. J. P. Presmont
Mr. Michael R. Price
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Mrs. Faye Pryor
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Mr. & Mrs. Steve Randle
Dr. & Mrs. Anthony Rizzo
Mr. Jeffrey Rodgers
Mr. Mark W. Rugenstein
Mr. David Rutledge
Mr. Francis Saldana
Mr. Joel Schaffer
Mr. Janet Schalla
Ms. Suzanne W. Schwartzman
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Mr. & Mrs. Michael Wong
Miss Kathy Wood
Ms. Claudia Wornum
Mr. Larry Zemansky

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